

**S/N 10/688,573**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Robert M. Zeidman	Examiner:	Ben C. Wang
Serial No.:	10/688,573	Group Art Unit:	2196
Filed:	October 20, 2003	Docket No.:	Zeid-01
Title:	SOFTWARE TOOL FOR SYNTHESIZING A REAL-TIME OPERATING SYSTEM		

**REVISED AMENDMENT AND RESPONSE UNDER 37 CFR § 1.114**

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This Revised Amendment and Response is filed in connection with a Request for Continued Examination and in response to the Final Office Action mailed on March 13, 2007. The amendment was revised to add a reference to the previously canceled claims in the claims listing. The Request for Continued Examination was previously filed. Please amend the above-identified patent application as follows. A check for a one month extension of time is included with this filing.

**IN THE CLAIMS**

Please amend the claims as follows:

1. (Currently Amended) A method for developing a real-time operating system, comprising:
  - a) specifying a set of n tasks, task(1) through task(n), to be scheduled for execution, ~~at least one of the tasks of said set of n tasks being selectively configurable as a preemptive or a non-preemptive task;~~
  - b) specifying a scheduling algorithm for scheduling the execution of said set of n tasks; and
  - c) synthesizing source code ~~with embedded~~ from commands embedded in source code to implement a task scheduler that uses said scheduling algorithm and said embedded commands for controlling execution of said set of n tasks, said synthesized source code being executable on a target system after compilation.
2. (Currently Amended) The method of claim 1) ~~further~~ including specifying t init-tasks that are executed only once upon initial execution of said task scheduler, t being less than or